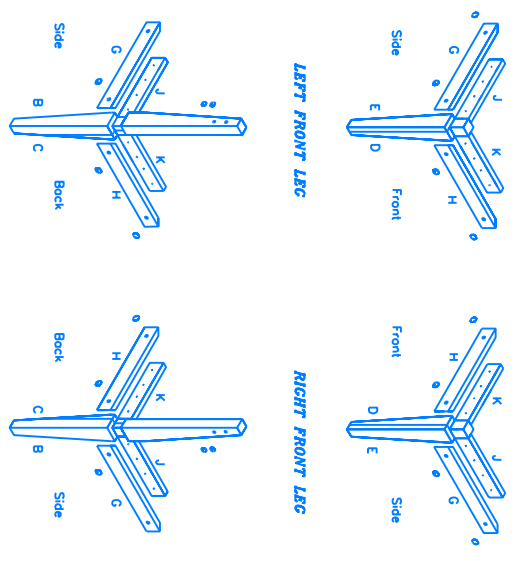


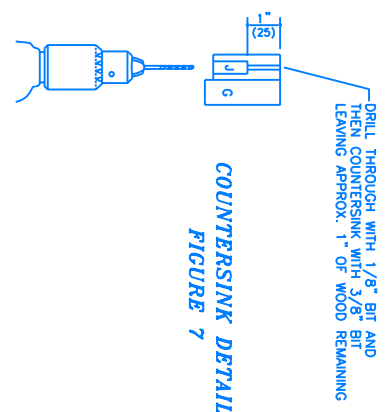
- 4) Drill a 1/8" hole, centered, 1 1/2" from each edge of each piece G and H as shown (Fig 6). Countersink using a 3/8" drill bit to a depth of 1/4". (You can build a depth gauge as in illustration 2). Stand legs upright, and glue and screw pieces G and H to the leg assemblies using four 1 1/4" #8 flathead screws. From the inside, keeping the chair square, Predrill, glue and screw on pieces J and K, the top edges flush with the top edges of G and H, with sixteen 1 1/4" #8 flathead screws, four into each piece.
- 5) From the top drill three 1/8" holes in each of the pieces J and K, one near each end, and one in the middle of 30 degrees down towards the inside of chair. (Fig 7). Angle the ones near the end towards the corner. Countersink, on the underside, with the 3/8" drill bit, the same as you did in step 4. Place glue on the top edges of G, H, J and D. Screw from the bottom and into piece A with twelve 1 1/2" #8 flathead screws.
- 6) From the top, drill with the 1/8" bit through pieces B as shown (Fig 8). Countersink as in steps 4 and 5. Place on glue and mark through the holes in pieces B to drill pilot holes in F. Ensure that piece F fits flush with the back edge of pieces B. Drill the four pilot holes in F using a 1/16" bit. Glue, and screw through B into F with four 2 1/2" #8 flathead screws. Wipe off excess glue.
- 7) Plug countersink holes with wood plugs or cut pieces of doweling. Glue these plugs in. Wipe off excess glue.
- 8) Sand entire project and stain and varnish, or oil.

**On Materials**

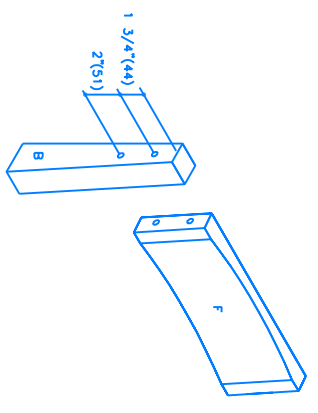
Build this chair to match your other dining room or kitchen furniture. Use only #1 grade material as this is a fine furniture project.



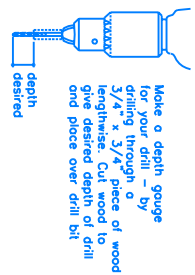
**LEG ASSEMBLY**  
**FIGURE 6**



**COUNTERSINK DETAILS**  
**FIGURE 7**

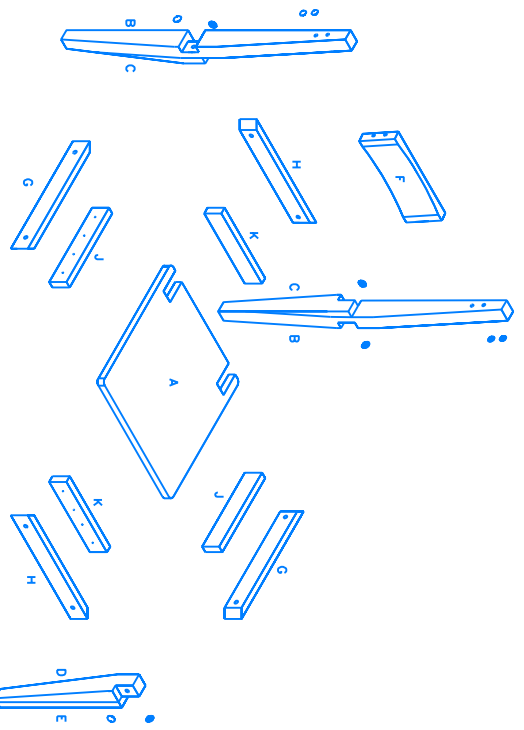


**BACK ASSEMBLY**  
**FIGURE 8**

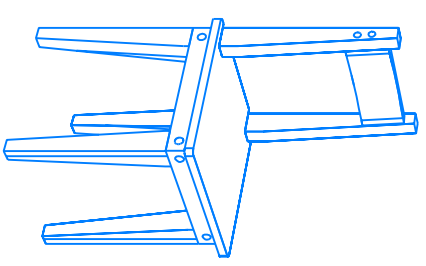


**DRILL DEPTH GAUGE**  
**ILLUSTRATION 2**

Make a depth gauge for your drill - by drilling through a piece of wood lengthwise. Cut to give desired depth of drill and place over drill bit.



**EXPLODED VIEW**  
**FIGURE 9**



**DINING ROOM CHAIR**  
**COMPLETED PROJECT**